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Wastewater Treatment References

Reference materials may be obtained from: California State University, Sacramento, 6000 J Street, Sacramento, CA 95819-6025, phone: (916)278-6142

Exam Category	Reference Manual
Activated Biofilter	Industrial Waste Treatment, Vol. II, Chapter 2
Activated Sludge	Operation of Wastewater Treatment Plants, Vol. I, Chapter 8
Adsorption	Industrial Waste Treatment, Vol. I, Chapter 10
Aeration	Operation of Wastewater Treatment Plants, Vol. I, Chapters 4 and 8
Aerobic Digestion	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Anaerobic Digestion	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Batteries	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Biological Advanced Treatment	Industrial Waste Treatment, Vol. II, Chapter 5
Blowers & Compressors	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Cathodic Protection Devices	Water Distribution System Operation & Maintenance, Chapter 2 and 3
CCC & Backflow	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Chemical Feeders	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Chemical Pretreatment	Industrial Waste Treatment, Vol. I, Chapter 7
Clarification	Operation of Wastewater Treatment Plants, Vol. I, Chapter 5
Coagulation & Flocculation	Advanced Waste Treatment, Chapter 4
Compliance	Operation of Wastewater Treatment Plants, Vol. II, Chapter 13 and 19
Composting Solids	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Corrosion Control	Operation of Wastewater Treatment Plants, Vol. II, Chapter 16
Dechlorination	Operation of Wastewater Treatment Plants, Vol. I, Chapter 10
Disinfection	Operation of Wastewater Treatment Plants, Vol. I, Chapter 10
Drives	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Effluent Discharge	Operation of Wastewater Treatment Plants, Vol. II, Chapter 13
Electrical Controls	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Electricity	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Emergency Response	Operation & Maintenance of Wastewater Collection Systems Vol. II, Ch. 12

Engines	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Filtration	Advanced Waste Treatment, Chapter 4
Finances	Operation & Maintenance of Wastewater Collection Systems, Vol. II, Ch. 12
Fittings	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Flow Equalization	Industrial Waste Treatment, Vol. I, Chapter 7
Flow Measurement	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
General Safety	Operation of Wastewater Treatment Plants, Vol. II, Chapter 14
Generators	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Grinding	Operation of Wastewater Treatment Plants, Vol. I, Chapter 4
Grit Removal	Operation of Wastewater Treatment Plants, Vol. I, Chapter 4
HVAC	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Hydrants	Water Distribution System Operation & Maintenance, Chapter 3
Hydraulics	Operation of Wastewater Treatment Plants, Vol. I and II, Appendix
Incineration	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Information	Operation & Maintenance of Wastewater Collection Systems, Vol. II, Ch. 12
Ion Exchange	Water Treatment Plant Operation, Vol. II, Chapter 16
Joints	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Laboratory	Operation of Wastewater Treatment Plants, Vol. II, Chapter 16
Land Application	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Landfill Solids	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Maintenance Management	Operation & Maintenance of Wastewater Collection Systems, Vol. II, Ch. 12
Maps & Plans	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Math	Operation of Wastewater Treatment Plants, Vol. I and II, Appendix
Measuring & Control Systems	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Microscreens	Industrial Waste Treatment, Vol. I, Chapter 7
Motors	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Nitrogen Removal	Industrial Waste Treatment, Vol. II, Chapter 5 Advanced Waste Treatment, Chapter 6
Personnel	Operation & Maintenance of Wastewater Collection Systems, Vol. II, Ch. 12
Phosphorus Removal	Industrial Waste Treatment, Vol. II, Chapter 5 Advanced Waste Treatment, Chapter 5
Pipes	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Planning	Operation & Maintenance of Wastewater Collection Systems, Vol. II, Ch. 12
Public Health	Operation of Wastewater Treatment Plants, Vol. I, Chapter 2

Public Relations	Operation & Maintenance of Wastewater Collection Systems, Vol.II, Ch. 12
Pumps	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Quality Control & Assurance	Operation of Wastewater Treatment Plants, Vol. II, Chapter 19
Reverse Osmosis	Water Treatment Plant Operation, Vol. II, Chapter 16
Rolling Stock	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Rotating Biological Contactors	Operation of Wastewater Treatment Plants, Vol. I, Chapter 7
Safety Administration	Operation & Maintenance of Wastewater Collection Systems, Vol.II, Ch. 12
Safety Equipment	Operation of Wastewater Treatment Plants, Vol. II, Chapter 14
Science	Operation of Wastewater Treatment Plants, Vol. I and II, Appendix
Screening	Operation of Wastewater Treatment Plants, Vol. I, Chapter 4
Security	Operation & Maintenance of Wastewater Collection Systems, Vol. II, Ch. 12
Sludge Belt Press	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Sludge Centrifuges	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Sludge Conditioning	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Sludge Drying Beds	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Sludge Filter Press	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Sludge Thickening	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Sludge Vacuum Filters	Operation of Wastewater Treatment Plants, Vol. II, Chapter 12 Advanced Waste Treatment, Chapter 3
Sources & Characteristics	Operation of Wastewater Treatment Plants, Vol. I, Chapter 2
Transformers	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Trickling Filters	Operation of Wastewater Treatment Plants, Vol. I, Chapter 6
Units of Expression	Operation of Wastewater Treatment Plants, Vol. I and II, Appendix
Valves	Operation of Wastewater Treatment Plants, Vol. II, Chapter 15
Waste Stabilization Ponds	Operation of Wastewater Treatment Plants, Vol. I, Chapter 9